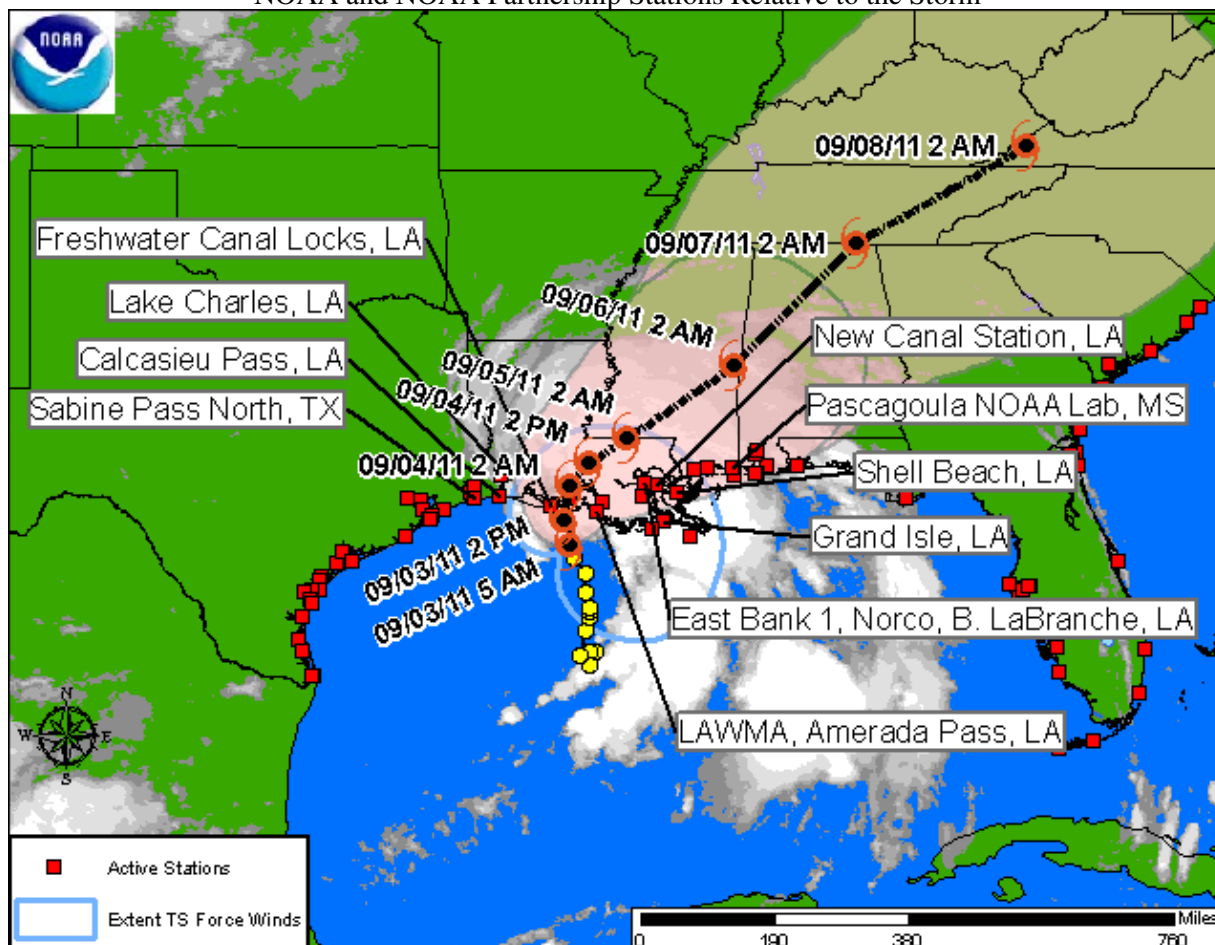


Tropical Storm LEE QuickLook, POSTED 05:00 CDT 09/03/2011



Tropical Storm LEE QuickLook
Posted: 05:00 CDT 09/03/2011

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/03/2011 05:00 CDT, water levels along the northern Gulf of Mexico coastline from Mississippi to eastern Texas are rising. Levels along the Louisiana generally range between 0.5 to 3.9 feet above predictions with Shell Beach, LA measuring the highest residual of over 3.9 feet during the past few hours. Water levels within Lake Pontchartrain are rising as well, partially due to runoff from excessive rainfall, with East Bank and New Canal Station, LA measuring residuals between 1.6 and 2.8 ft above predicted levels.

Winds are increasing and range between 10 and 400 kts with gusts over 50 kts. Pilots Station East, LA measured several wind gusts of 50 kts over the past few hours.

Barometric pressure continues to fall across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Tropical Storm LEE QuickLook, POSTED 05:00 CDT 09/03/2011

Shell Beach, LA: Next predicted high tides are 1.50 ft (0.46 m) at 09/03/2011 06:12 CDT and 1.58 ft (0.48 m) at 09/04/2011 06:56 CDT.

New Canal Station, LA: Next predicted high tides are 0.46 ft (0.14 m) at 09/03/2011 11:04 CDT and 0.46 ft (0.14 m) at 09/04/2011 11:44 CDT.

East Bank 1, Norco, B. LaBranche, LA Next predicted high tides are 0.42 ft (0.13 m) at 09/03/2011 12:47 CDT and 0.43 ft (0.13 m) at 09/04/2011 13:35 CDT.

LAWMA, Amerada Pass, LA Next predicted high tides are 1.04 ft (0.32 m) at 09/03/2011 06:30 CDT and 1.25 ft (0.38 m) at 09/03/2011 23:22 CDT.

Grand Isle, LA Next predicted high tides are 1.53 ft (0.47 m) at 09/04/2011 03:06 CDT and 1.55 ft (0.47 m) at 09/05/2011 04:15 CDT.

Freshwater Canal Locks, LA Next predicted high tides are 2.06 ft (0.63 m) at 09/03/2011 22:15 CDT and 2.13 ft (0.65 m) at 09/04/2011 23:17 CDT.

Lake Charles, LA Next predicted high tides are 1.09 ft (0.33 m) at 09/03/2011 10:50 CDT and 1.11 ft (0.34 m) at 09/04/2011 06:59 CDT.

Calcasieu Pass, LA Next predicted high tides are 2.08 ft (0.63 m) at 09/03/2011 22:45 CDT and 1.93 ft (0.59 m) at 09/04/2011 06:28 CDT.

Sabine Pass North, TX Next predicted high tides are 1.71 ft (0.52 m) at 09/03/2011 06:35 CDT and 1.79 ft (0.55 m) at 09/03/2011 23:05 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.64 ft (0.50 m) at 09/04/2011 02:30 CDT and 1.68 ft (0.51 m) at 09/05/2011 03:41 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: MPM

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM LEE ADVISORY NUMBER 7

400 AM CDT SAT SEP 03 2011

...LEE PRODUCING HEAVY RAINS OVER SOUTHERN LOUISIANA WITH TROPICAL STORM CONDITIONS ALONG THE COAST...

LOCATED NEAR LATITUDE 28.8 NORTH...LONGITUDE 91.9 WEST ABOUT 75 MI SW OF MORGAN CITY LOUISIANA, ABOUT 95 MI S OF LAFAYETTE LOUISIANA

WATCHES AND WARNINGS

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* ALABAMA/FLORIDA BORDER WESTWARD TO SABINE PASS TEXAS...INCLUDING THE CITY OF NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

A TROPICAL STORM WATCH IS IN EFFECT FOR...

* ALABAMA/FLORIDA BORDER EASTWARD TO DESTIN FLORIDA

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

DISCUSSION AND 48-HOUR OUTLOOK

AT 400 AM CDT THE CENTER OF TROPICAL STORM LEE WAS LOCATED NEAR LATITUDE 28.8 NORTH...LONGITUDE 91.9 WEST ABOUT 75 MI SW OF MORGAN CITY LOUISIANA, ABOUT 95 MI S OF LAFAYETTE LOUISIANA. LEE IS

MOVING TOWARD THE NORTH-NORTHWEST NEAR 7 MPH. A SLOW AND POSSIBLY ERRATIC MOTION TOWARD THE NORTH-NORTHWEST OR NORTH IS EXPECTED DURING THE NEXT 24 HOURS...FOLLOWED BY A GRADUAL TURN TOWARD THE

NORTHEAST. ON THE FORECAST TRACK...THE CENTER OF LEE IS EXPECTED TO CROSS THE LOUISIANA COAST THIS AFTERNOON OR TONIGHT...THEN SLOWLY CROSS SOUTHERN LOUISIANA ON SUNDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 50 MPH WITH HIGHER GUSTS. SOME STRENGTHENING IS POSSIBLE BEFORE THE CENTER MAKES LANDFALL.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 200 MILES MAINLY SOUTHEAST THROUGH NORTHEAST OF THE CENTER. THE NATIONAL OCEAN SERVICE STATION AT SHELL BEACH LOUISIANA RECENTLY REPORTED 6-MINUTE

MEAN WINDS OF 41 MPH...67 KM/H...AND A WIND GUST OF 49 MPH. THE NOAA AUTOMATED STATION AT THE SOUTHWEST PASS OF THE MISSISSIPPI RIVER JUST REPORTED 2-MINUTE MEAN WINDS OF 51 MPH AND A WIND GUST

OF 60 MPH AT AN ELEVATION OF 100 FEET ABOVE GROUND LEVEL.

THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON OBSERVATIONS FROM OIL RIGS IS 995 MB...29.38 INCHES.

HAZARDS AFFECTING LAND

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 3 TO 5 FEET ABOVE GROUND LEVEL ALONG THE LOUISIANA COAST...AND BY AS MUCH AS 2 TO 4 FEET ABOVE GROUND LEVEL ALONG THE MISSISSIPPI

AND ALABAMA COASTS INCLUDING MOBILE BAY. SEE PRODUCTS ISSUED BY LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICES FOR MORE DETAILS.

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO CONTINUE OVER PORTIONS OF THE WARNING AREA TODAY.

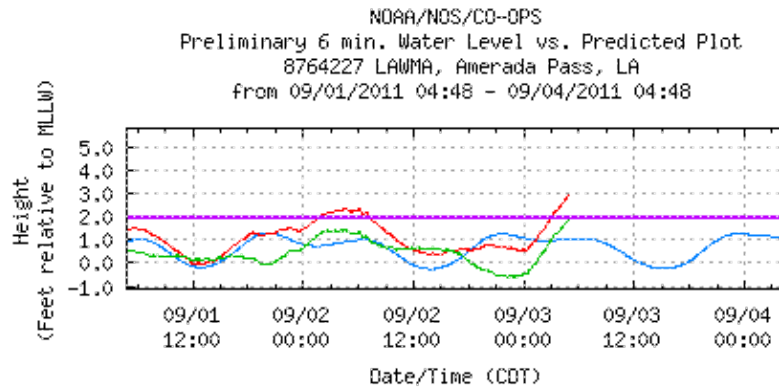
TORNADOES...ISOLATED TORNADOES ARE POSSIBLE THROUGH TONIGHT OVER PORTIONS OF SOUTHERN LOUISIANA...SOUTHERN MISSISSIPPI...SOUTHERN ALABAMA...AND THE FAR WESTERN FLORIDA PANHANDLE.

FORECASTER BEVEN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [LAWMA, Amerada Pass - Barometric](#), [LAWMA, Amerada Pass - Air/Water Temp](#), [Grand Isle - Water Level](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [East Bank 1, Norco, B. LaBranche - Water Level](#), [East Bank 1, Norco, B. LaBranche - Winds](#), [East Bank 1, Norco, B. LaBranche - Barometric](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [New Canal Station - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Dock C, Port of Pascagoula - Barometric](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Lake Charles - Water Level](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Sabine Pass North - Barometric](#),

LAWMA, Amerada Pass, LA - Return to List

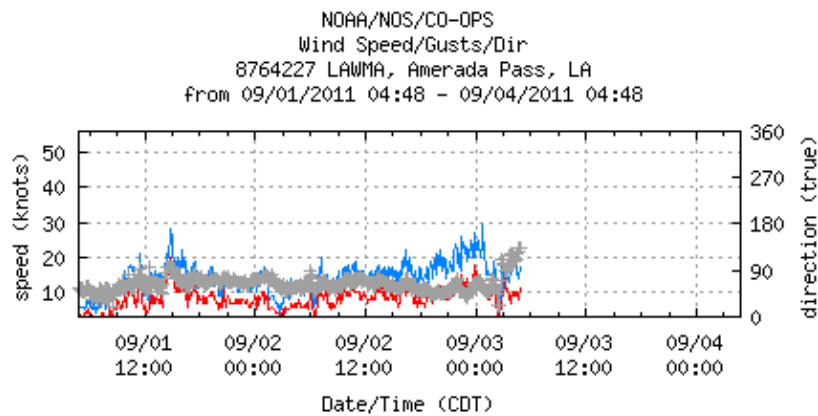


Last Observed Sample: 09/03/2011 04:48 (CDT)

Relative to MLLW: **Observed: 2.88 ft.** **Predicted: 1.02 ft.** **Residual: 1.86 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

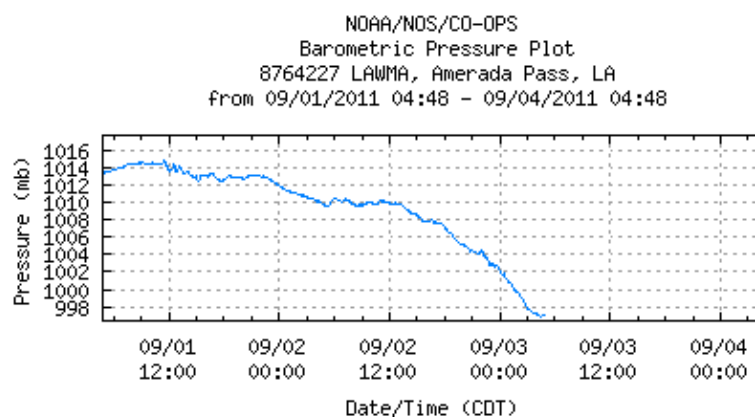
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/03/2011 04:48 (CDT)

Wind Speed: 11 knots **Gusts: 17 knots** **Direction: 132° T**

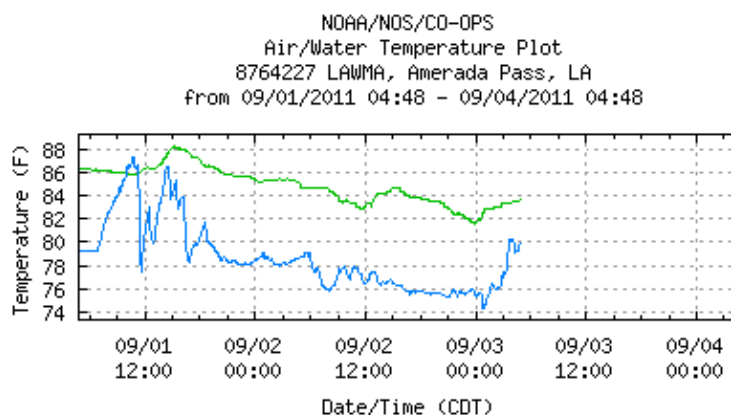
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/03/2011 04:48 (CDT)

Barometric Pressure: 997.0 mb

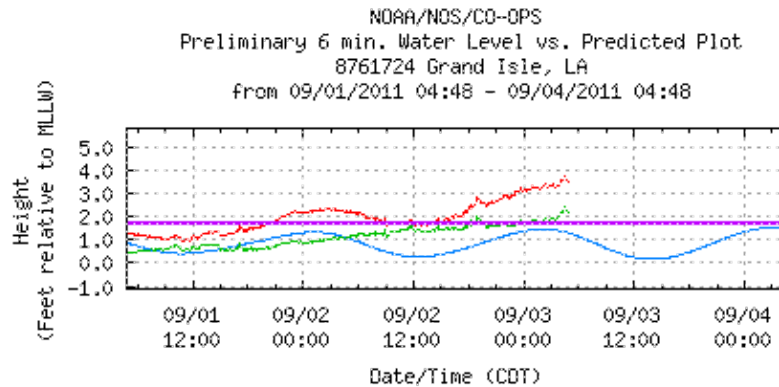
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/03/2011 04:48 (CDT)

Water Temperature: 83.7° F Air Temperature: 79.9° F

Grand Isle, LA - Return to List

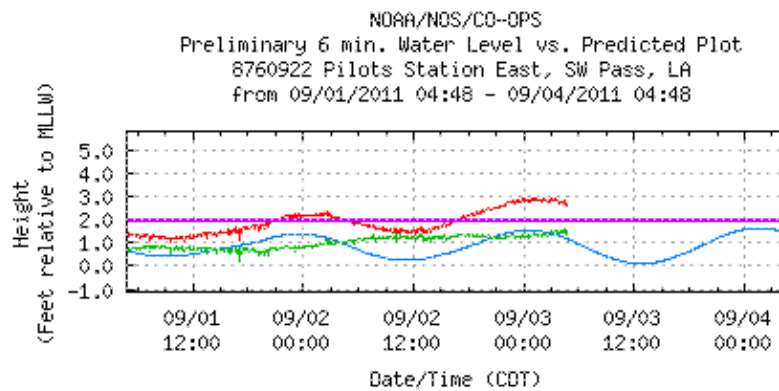


Predicted WL ——— (Obs-Pred) ———
Observed WL ——— HAT ———

Last Observed Sample: 09/03/2011 04:48 (CDT)

Relative to MLLW: **Observed: 3.46 ft.** **Predicted: 1.30 ft.** **Residual: 2.16 ft.**
Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

Pilots Station East, SW Pass, LA - Return to List

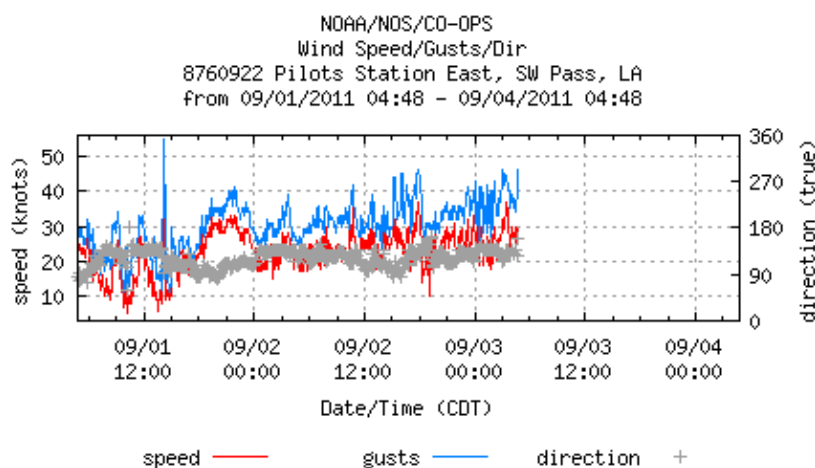


Predicted WL ——— (Obs-Pred) ———
Observed WL ——— HAT ———

Last Observed Sample: 09/03/2011 04:42 (CDT)

Relative to MLLW: **Observed: 2.66 ft.** **Predicted: 1.18 ft.** **Residual: 1.48 ft.**
Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

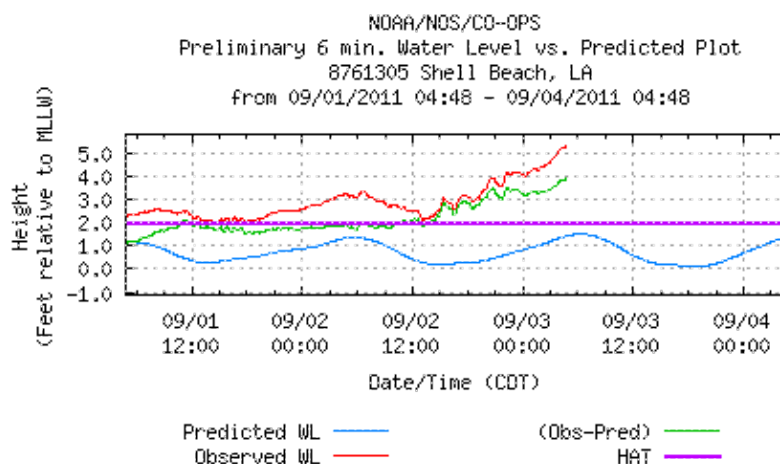
Pilots Station East, SW Pass, LA - Return to List



Last Observed Sample: 09/03/2011 04:42 (CDT)

Wind Speed: 29 knots Gusts: 46 knots Direction: 160° T

Shell Beach, LA - Return to List

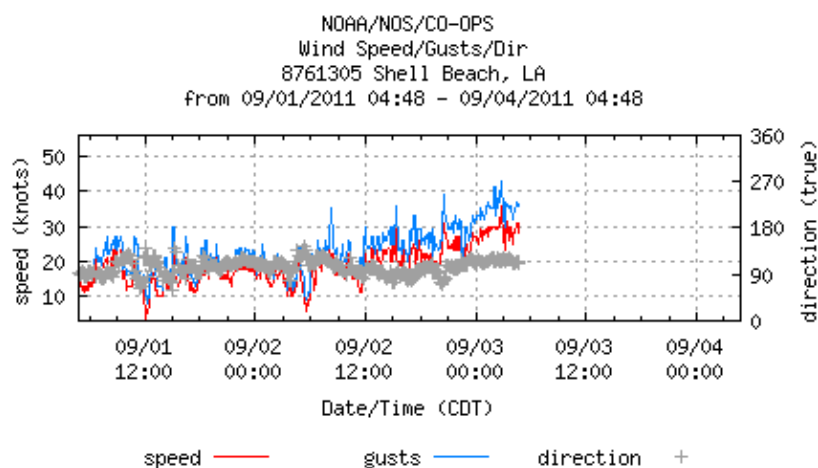


Last Observed Sample: 09/03/2011 04:42 (CDT)

Relative to MLLW: Observed: 5.28 ft. Predicted: 1.41 ft. Residual: 3.87 ft.

Historical Maximum Water Level: Sep 1 2008, 8.84 ft. above MHHW

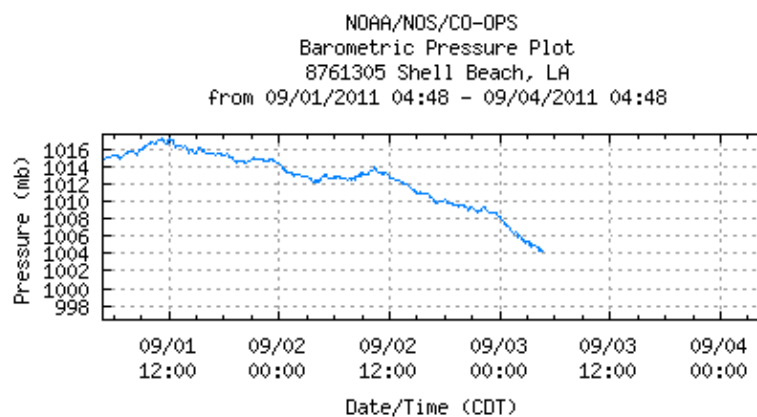
Shell Beach, LA - Return to List



Last Observed Sample: 09/03/2011 04:42 (CDT)

Wind Speed: 28 knots Gusts: 36 knots Direction: 111° T

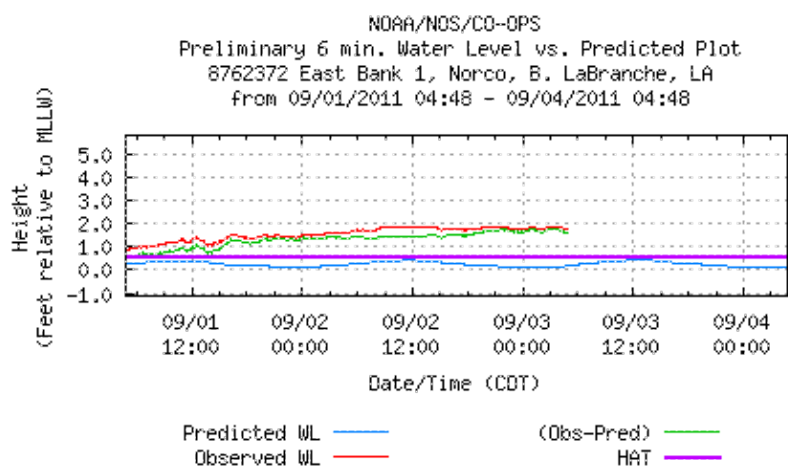
Shell Beach, LA - Return to List



Last Observed Sample: 09/03/2011 04:42 (CDT)

Barometric Pressure: 1004.3 mb

East Bank 1, Norco, B. LaBranche, LA - Return to List

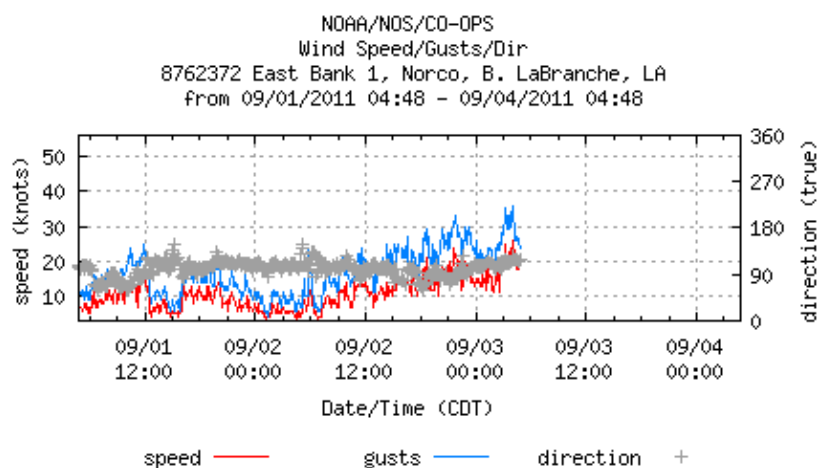


Last Observed Sample: 09/03/2011 04:48 (CDT)

Relative to MLLW: **Observed: 1.79 ft.** **Predicted: 0.18 ft.** **Residual: 1.61 ft.**

Historical Maximum Water Level: Aug 30 2005, 5.3 ft. above MHHW

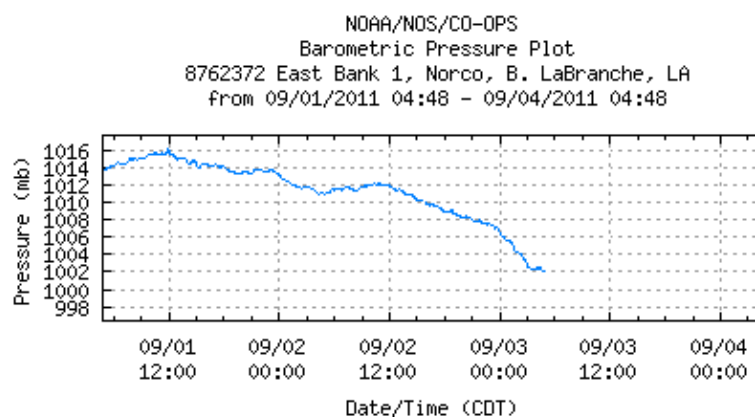
East Bank 1, Norco, B. LaBranche, LA - Return to List



Last Observed Sample: 09/03/2011 04:48 (CDT)

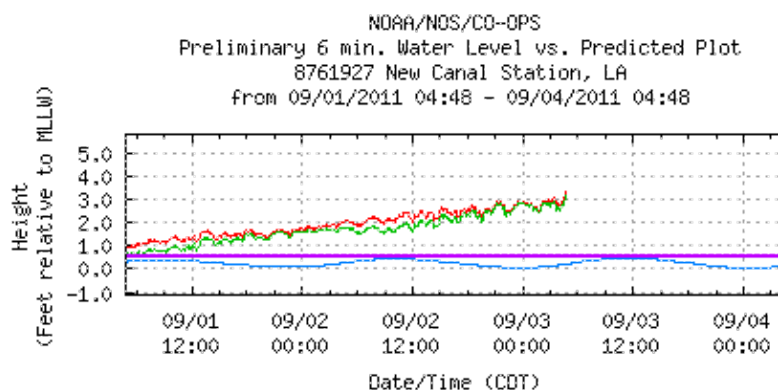
Wind Speed: 19 knots **Gusts: 24 knots** **Direction: 117° T**

East Bank 1, Norco, B. LaBranche, LA - Return to List



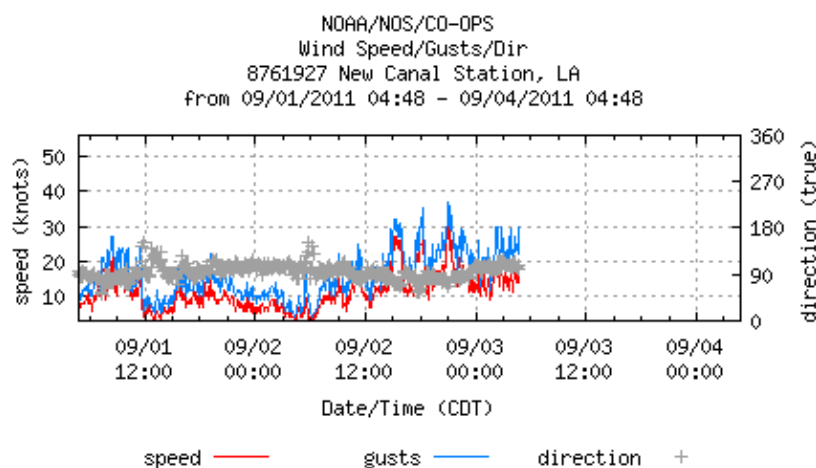
barometric pressure —
Last Observed Sample: 09/03/2011 04:48 (CDT)
Barometric Pressure: 1002.0 mb

New Canal Station, LA - Return to List



Predicted WL — (Obs-Pred) —
Observed WL — HAT —
Last Observed Sample: 09/03/2011 04:42 (CDT)
Relative to MLLW: Observed: 3.36 ft. Predicted: 0.21 ft. Residual: 3.15 ft.
Historical Maximum Water Level: Sep 13 2008, 4.98 ft. above MHHW

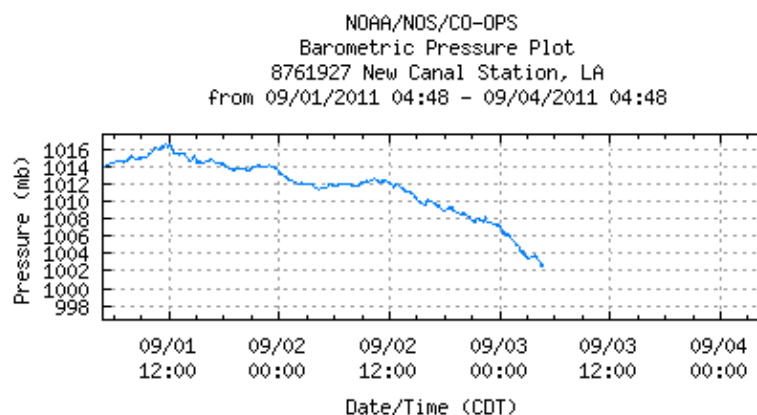
New Canal Station, LA - Return to List



Last Observed Sample: 09/03/2011 04:42 (CDT)

Wind Speed: 18 knots Gusts: 30 knots Direction: 99° T

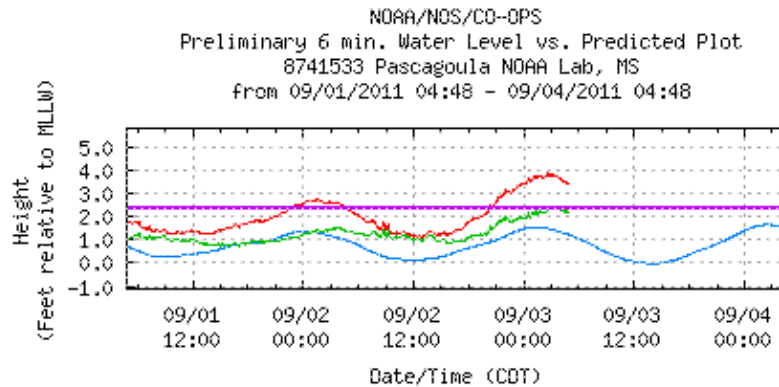
New Canal Station, LA - Return to List



Last Observed Sample: 09/03/2011 04:42 (CDT)

Barometric Pressure: 1002.6 mb

Pascagoula NOAA Lab, MS - Return to List

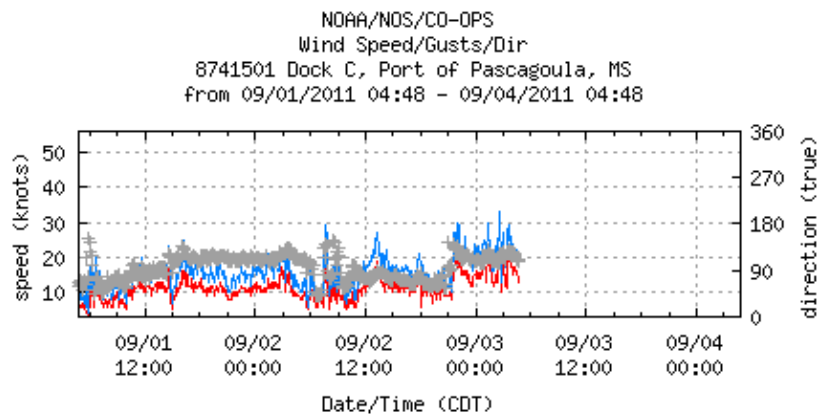


Last Observed Sample: 09/03/2011 04:48 (CDT)

Relative to MLLW: **Observed: 3.41 ft.** **Predicted: 1.23 ft.** **Residual: 2.18 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

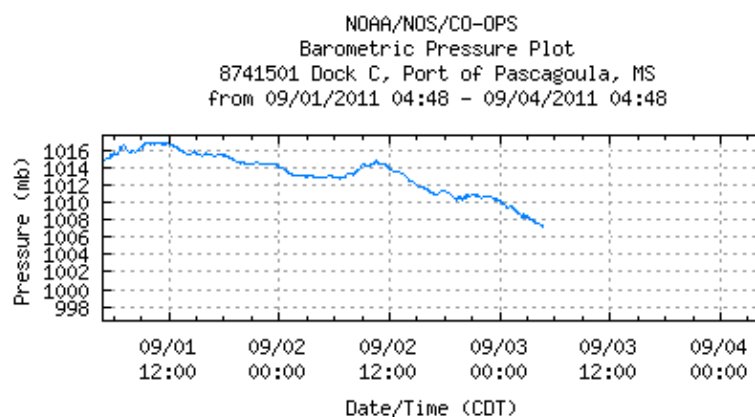
Dock C, Port of Pascagoula, MS - Return to List



Last Observed Sample: 09/03/2011 04:42 (CDT)

Wind Speed: 13 knots **Gusts: 17 knots** **Direction: 107° T**

Dock C, Port of Pascagoula, MS - [Return to List](#)

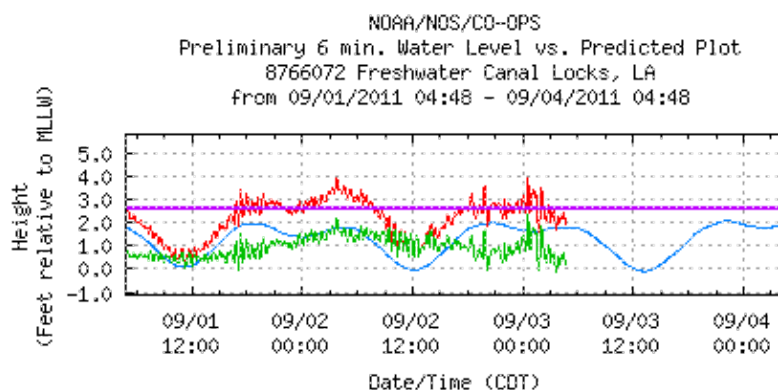


barometric pressure —

Last Observed Sample: 09/03/2011 04:42 (CDT)

Barometric Pressure: 1007.1 mb

Freshwater Canal Locks, LA - [Return to List](#)



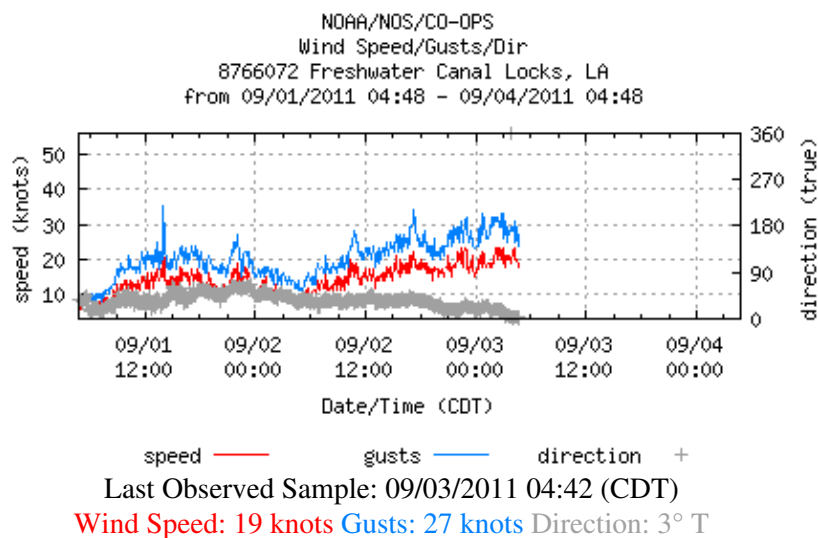
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/03/2011 04:42 (CDT)

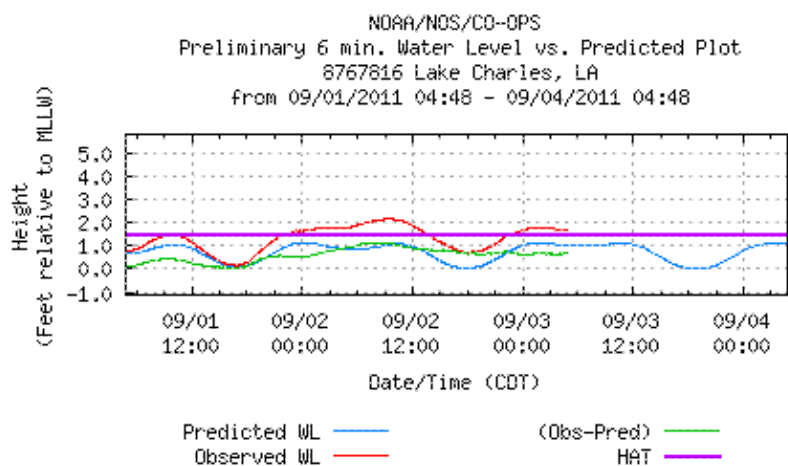
Relative to MLLW: **Observed: 2.14 ft.** **Predicted: 1.76 ft.** **Residual: 0.38 ft.**

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

Freshwater Canal Locks, LA - Return to List

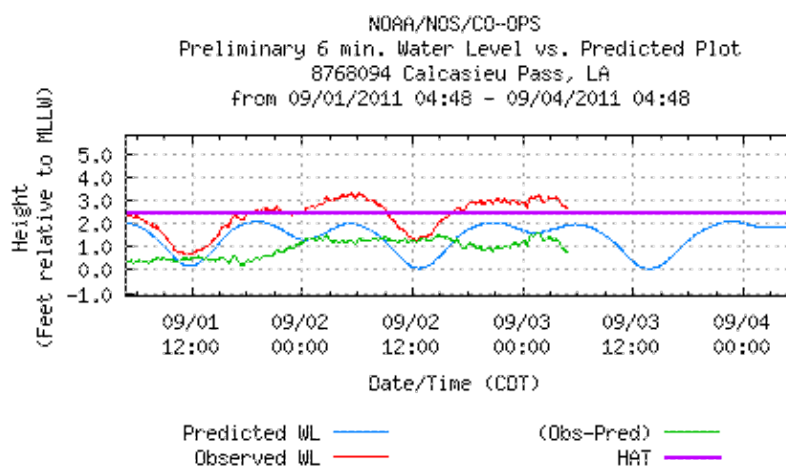


Lake Charles, LA - Return to List



Last Observed Sample: 09/03/2011 04:48 (CDT)
Relative to MLLW: Observed: 1.67 ft. Predicted: 1.01 ft. Residual: 0.66 ft.
Historical Maximum Water Level: Oct 16 2006, 2.22 ft. above MHHW

Calcasieu Pass, LA - Return to List

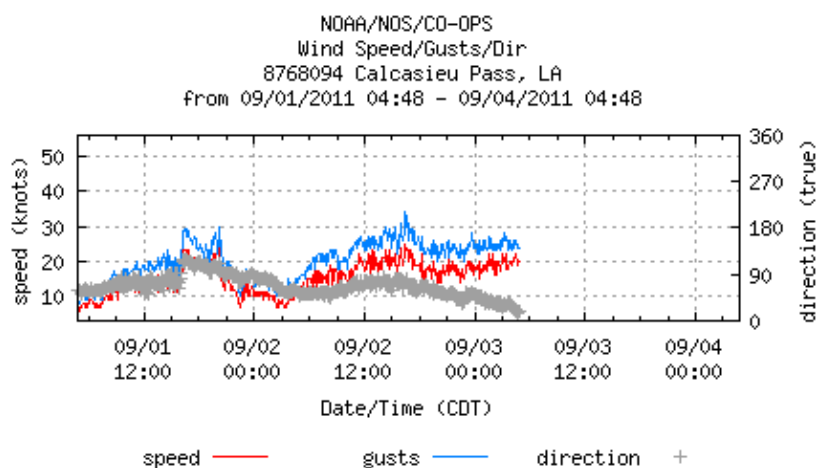


Last Observed Sample: 09/03/2011 04:48 (CDT)

Relative to MLLW: **Observed: 2.70 ft.** **Predicted: 1.92 ft.** **Residual: 0.78 ft.**

Historical Maximum Water Level: Sep 13 2008, 9.96 ft. above MHHW

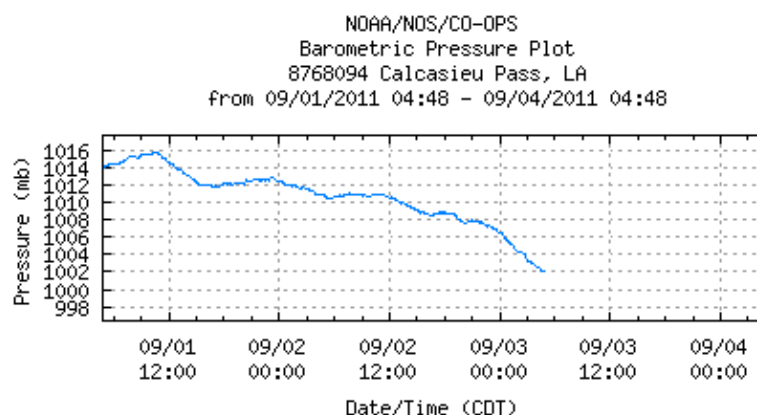
Calcasieu Pass, LA - Return to List



Last Observed Sample: 09/03/2011 04:48 (CDT)

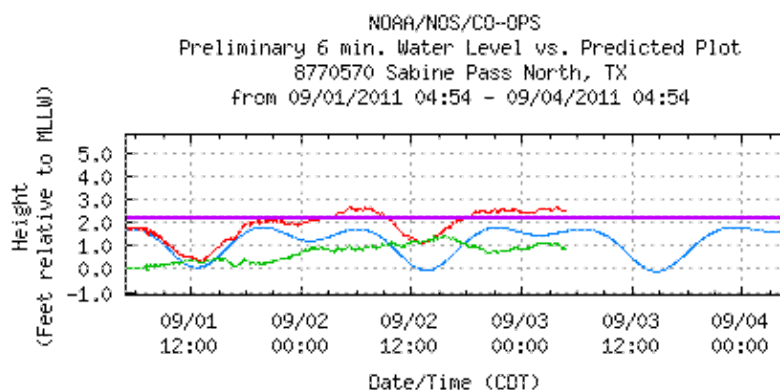
Wind Speed: 20 knots **Gusts: 24 knots** **Direction: 20° T**

Calcasieu Pass, LA - Return to List



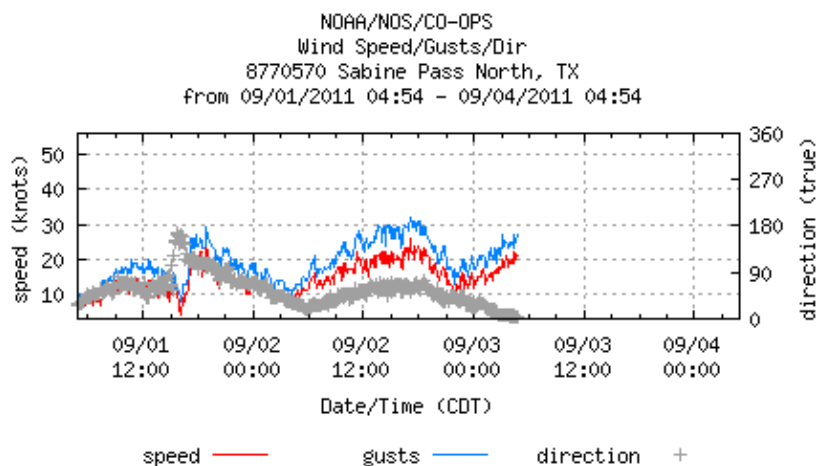
barometric pressure —
Last Observed Sample: 09/03/2011 04:48 (CDT)
Barometric Pressure: 1002.0 mb

Sabine Pass North, TX - Return to List



Predicted WL — (Obs-Pred) —
Observed WL — HAT —
Last Observed Sample: 09/03/2011 04:42 (CDT)
Relative to MLLW: **Observed: 2.47 ft. Predicted: 1.62 ft. Residual: 0.85 ft.**
Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above MHHW

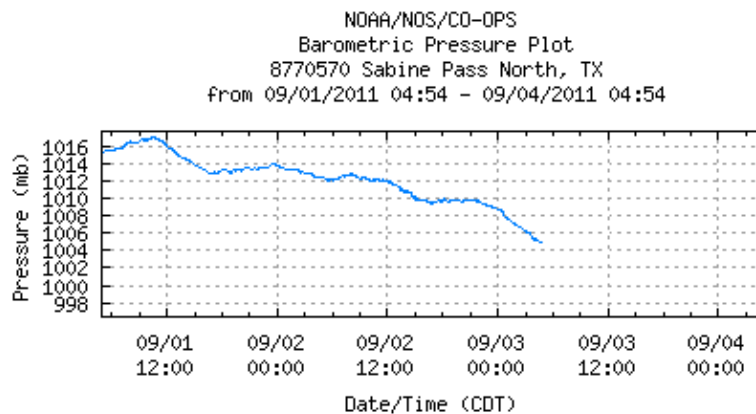
Sabine Pass North, TX - Return to List



Last Observed Sample: 09/03/2011 04:42 (CDT)

Wind Speed: 21 knots Gusts: 27 knots Direction: 2° T

Sabine Pass North, TX - Return to List



Last Observed Sample: 09/03/2011 04:42 (CDT)

Barometric Pressure: 1004.9 mb

Tropical Storm LEE QuickLook, POSTED 05:00 CDT 09/03/2011

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National Oceanic and Atmospheric Administration | U.S. Department of Commerce